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=> FIL REG
FILE 'REGISTRY' ENTERED AT 16:02:48 ON 18 JUN 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2010 American Chemical Society (ACS)

=> D HIS NOFILE
     FILE 'HCAPLUS' ENTERED AT 13:22:46 ON 18 JUN 2010
                  E US2006-567430/APPS
L1             1 SEA SPE=ON  ABB=ON  PLU=ON  US2006-567430/AP
                  E WO2004-CA1461/APPS
L2             1 SEA SPE=ON  ABB=ON  PLU=ON  (WO2004-CA1461/AP OR WO2004-CA1
                  461/PRN)
L3             1 SEA SPE=ON  ABB=ON  PLU=ON  (L1 OR L2)
                  SEL L3 RN

     FILE 'REGISTRY' ENTERED AT 13:23:26 ON 18 JUN 2010
L4             5 SEA SPE=ON  ABB=ON  PLU=ON  (183892-60-6/BI OR 333305-83-2/

     FILE 'HCAPLUS' ENTERED AT 13:24:56 ON 18 JUN 2010
                  SEL L3 AU
L5            13 SEA SPE=ON  ABB=ON  PLU=ON  "COTE, SIMON"/AU
                  E MATRIX INNOVATION/CO
L6             2 SEA SPE=ON  ABB=ON  PLU=ON  "MATRIX INNOVATION INC"+ALL/CO,
                  CS,PA

     FILE 'LREGISTRY' ENTERED AT 14:32:18 ON 18 JUN 2010
L7                STR

     FILE 'REGISTRY' ENTERED AT 14:37:46 ON 18 JUN 2010
L8             0 SEA SSS SAM L7

     FILE 'LREGISTRY' ENTERED AT 14:38:20 ON 18 JUN 2010
L9                STR L7

     FILE 'REGISTRY' ENTERED AT 14:41:08 ON 18 JUN 2010
L10            0 SEA SSS SAM L9

     FILE 'LREGISTRY' ENTERED AT 14:42:06 ON 18 JUN 2010
L11               STR L9

     FILE 'REGISTRY' ENTERED AT 14:43:26 ON 18 JUN 2010
L12            1 SEA SSS SAM L11
L13       207337 SEA SPE=ON  ABB=ON  PLU=ON  C2H4O OR C3H6O OR C4H8O
L14            7 SEA SUB=L13 SSS SAM L11

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L19               STR L18

     FILE 'REGISTRY' ENTERED AT 15:00:34 ON 18 JUN 2010
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L23          50 SEA SUB=L13 SSS SAM L21
L24             STR L21
L25          24 SEA SUB=L13 SSS SAM L24

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L26             STR L24

     FILE 'REGISTRY' ENTERED AT 15:25:25 ON 18 JUN 2010
L27           0 SEA SUB=L13 SSS SAM L26
L28         621 SEA SUB=L13 SSS FUL L24
                SAV L28 KAH430/A
L29           0 SEA SUB=L28 SSS SAM L26
L30           0 SEA SUB=L28 SSS FUL L26
L31           4 SEA SPE=ON  ABB=ON  PLU=ON  L28 AND  L4

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L32         344 SEA SPE=ON  ABB=ON  PLU=ON  L28
L33      598582 SEA SPE=ON  ABB=ON  PLU=ON  CROSSLINK? OR CROSS (2A) LINK?
                OR CURE OR CURED OR CURING? OR CURABL?
L34          36 SEA SPE=ON  ABB=ON  PLU=ON  L32 AND L33
L35      751862 SEA SPE=ON  ABB=ON  PLU=ON  POLYOXYALKYLENE? OR POLYETHER?
                OR ?GLYCOL?
L36       59765 SEA SPE=ON  ABB=ON  PLU=ON  L35 (L) L33
L37          25 SEA SPE=ON  ABB=ON  PLU=ON  L34 AND L36
L38             TRA PLU=ON  L37 1- RN HIT :      40 TERMS

     FILE 'REGISTRY' ENTERED AT 15:44:03 ON 18 JUN 2010
L39          40 SEA SPE=ON  ABB=ON  PLU=ON  L38

     FILE 'LREGISTRY' ENTERED AT 15:50:25 ON 18 JUN 2010
L40             STR L26

     FILE 'REGISTRY' ENTERED AT 15:52:00 ON 18 JUN 2010
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L42         104 SEA SUB=L28 SSS FUL L40

     FILE 'HCAPLUS' ENTERED AT 15:54:14 ON 18 JUN 2010
L43          27 SEA SPE=ON  ABB=ON  PLU=ON  L42
L44           6 SEA SPE=ON  ABB=ON  PLU=ON  L43 AND L33
L45          18 SEA SPE=ON  ABB=ON  PLU=ON  L43 AND L35
L46           4 SEA SPE=ON  ABB=ON  PLU=ON  L45 AND L33
L47          18 SEA SPE=ON  ABB=ON  PLU=ON  L46 OR L45
L48           1 SEA SPE=ON  ABB=ON  PLU=ON  L47 AND (L5 OR L6)
L49          17 SEA SPE=ON  ABB=ON  PLU=ON  L47 NOT L48
L50          15 SEA SPE=ON  ABB=ON  PLU=ON  1808-2006/PY,PRY,AY AND L49




     FILE 'REGISTRY' ENTERED AT 16:02:48 ON 18 JUN 2010

=> D L30 QUE STAT
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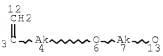
OR C4H8O
L24 STR



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CONNECT IS E2 RC AT 4
CONNECT IS E2 RC AT 7
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GGCAT IS SAT AT 4
GGCAT IS SAT AT 7
DEFAULT ECLEVEL IS LIMITED

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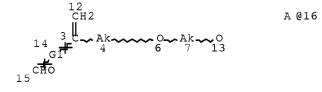
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE
L26 STR



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CONNECT IS E3 RC AT 3
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CONNECT IS E2 RC AT 7
DEFAULT MLEVEL IS ATOM
GGCAT IS SAT AT 4
GGCAT IS SAT AT 7
DEFAULT ECLEVEL IS LIMITED

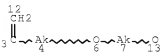
GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE
L28 621 SEA FILE=REGISTRY SUB=L13 SSS FUL L24
L30 0 SEA FILE=REGISTRY SUB=L28 SSS FUL L26

100.0% PROCESSED 469 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

=> D L42 QUE STAT

L13 207337 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON C2H4O OR C3H6O
OR C4H8O
L24 STR



NODE ATTRIBUTES:
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CONNECT IS E2 RC AT 7
DEFAULT MLEVEL IS ATOM
GGCAT IS SAT AT 4
GGCAT IS SAT AT 7
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
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STEREO ATTRIBUTES: NONE
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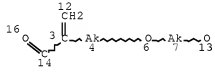
L40 STR



NODE ATTRIBUTES:
CONNECT IS E3 RC AT 3
CONNECT IS E2 RC AT 4
CONNECT IS E2 RC AT 7
DEFAULT MLEVEL IS ATOM
GGCAT IS SAT AT 4
GGCAT IS SAT AT 7
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 8

STEREO ATTRIBUTES: NONE
L42 104 SEA FILE=REGISTRY SUB=L28 SSS FUL L40

100.0% PROCESSED 291 ITERATIONS 104 ANSWERS
SEARCH TIME: 00.00.01

=> FIL HCAP
FILE 'HCAPLUS' ENTERED AT 16:03:19 ON 18 JUN 2010

=> D L48 1 IBIB ABS HITSTR HITIND RETABLE

L48 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:120909 HCAPLUS Full-text
DOCUMENT NUMBER: 142:198979
TITLE: New polyether based monomers, crosslinkers, and highly crosslinked amphiphile polyether resins
INVENTOR(S): Cote, Simon
PATENT ASSIGNEE(S): Matrix Innovation Inc., Can.
SOURCE: PCT Int. Appl., 75 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005012277	A1	20050210	WO 2004-CA1461	20040804
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2534616	A1	20050210	CA 2004-2534616	20040804
EP 1687343	A1	20060809	EP 2004-761625	20040804
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1856483	A	20061101	CN 2004-80027888	20040804
JP 2007501296	T	20070125	JP 2006-522190	20040804
US 20060241245	A1	20061026	US 2006-567430	20060425
PRIORITY APPLN. INFO.:			US 2003-491969P	P 20030804
			WO 2004-CA1461	W 20040804

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

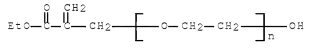
AB The crosslinked polyether is obtained by polymerization of ≥1 monomer selected from the group consisting of (a) (α-X-methyl) vinyl-electron withdrawing group (EWG), (α-X-methyl) vinyl-electron releasing group (ERG), or (α-X-methyl) vinyl-aryl, where X = O, S, polyethylene glycol (PEG), polypropylene glycol (PPG) or poly(THF), (b) a monomer polymerizable with a PEG, PPG or poly(THF) crosslinker having ≥1 (α-X-methyl) vinyl-EWG, (α-X-methyl) vinyl-ERG or (α-X-methyl) vinyl-aryl, where X = O, S, PEG, PPG, or poly(THF), (c) a PEG, PPG, or

poly(THF) crosslinker having at least an acrylamide or a methacrylamide end group, and (d) mixts.

IT 183892-60-6P
(highly crosslinked terminally functional polyethylene glycols)

RN 183892-60-6 HCAPLUS

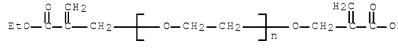
CN Poly(oxy-1,2-ethanediyl), α-[2-(ethoxycarbonyl)-2-propenyl]-ω-hydroxy- (9CI) (CA INDEX NAME)



IT 333305-83-2P
(preparation and radical crosslinking, end group reduction or hydrolysis, bromination)

RN 333305-83-2 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α-(3-ethoxy-2-methylene-3-oxopropyl)-ω-(3-ethoxy-2-methylene-3-oxopropoxy)- (9CI) (CA INDEX NAME)



IC ICM C07D0305-14
ICS C08G0065-02; C08F0261-06; C08F0283-00; C08F0002-18; C08J0003-24; C08F0016-12

CC 37-3 (Plastics Manufacture and Processing)
Section cross-reference(s): 34

ST polyethylene glycol vinyl group terminated

IT Polyoxyalkylenes, preparation
(highly crosslinked terminally functional polyethylene glycols)

IT Polymer-supported reagents
Solid phase synthesis
(highly crosslinked terminally functional polyethylene glycols for)

IT 183892-60-6P 838839-63-7P 838839-64-8P
(highly crosslinked terminally functional polyethylene glycols)

IT 333305-83-2P
(preparation and radical crosslinking, end group reduction or hydrolysis, bromination)

IT 68858-20-8
(reaction with Wang type resin based on functional polyethylene glycols; highly crosslinked terminally functional polyethylene glycols)

RETABLE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)	Referenced File
Cote, S	2002			WO 0240559 A	HCAPLUS
Hayashi, K	1994			EP 692501 A	HCAPLUS

Kempe	1999		US 5910554	HCAPLUS
Satake, Y	2001		EP 1288272 A	HCAPLUS
Snyder, J	1995		EP 633912	HCAPLUS
Soderman, T	2003		WO 2003102040 A	
Sunkara, H	2004		WO 2004014984	HCAPLUS
Trofimov, B	1999		WO 9964484 A	HCAPLUS

OS.CITING REF COUNT: 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (16 CITINGS)

=> D L50 1-15 IBIB ABS HITSTR HITIND RETABLE

L50 ANSWER 1 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2008:582915 HCAPLUS Full-text
DOCUMENT NUMBER: 148:540382
TITLE: Amino-and polyoxyalkylene-containing acrylic acid-based emulsifiers for vinyl polymerization and vinyl polymers manufactured using them
INVENTOR(S): Katsukawa, Yoshitaka
PATENT ASSIGNEE(S): Sanyo Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2008111031	A	20080515	JP 2006-294543 <--	20061030
PRIORITY APPLN. INFO.:			JP 2006-294543 <--	20061030

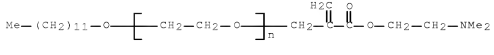
OTHER SOURCE(S): MARPAT 148:540382

AB The invention relates to the emulsifiers CH2:C(CO2R2NR3R4)CH2O(AO)nR1 (I; R1 = C1-24 hydrocarbon; R2 = C1-8 alkylene; R3, R4 = C1-4 alkyl; A = C2-4 alkylene; n = 1-200). Tertiary amine salt-type emulsifiers prepared from I and acids, and quaternary ammonium salt-type emulsifiers prepared from I and quaternizing agents are also claimed. Thus, Me acrylate was reacted with formaldehyde, PBr3, ethoxylated dodecyl alc., and dimethylaminoethanol to give I (R1 = dodecyl, R2 = CH2CH2, R3 = R4 = Me, A = CH2, n = 8). Bu acrylate, methacrylic acid, and Me methacrylate was emulsion-polymerized in the presence of I and neutralized with NH3 to give an emulsion with monomer conversion 98% and good antifoaming properties, which was then applied on a substrate and dried to give a test piece with good water resistance.

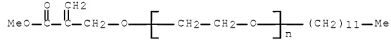
IT 1025111-51-6DP, salts with acids
(amino-and polyoxyalkylene-containing acrylic acid-based emulsifiers used in vinyl polymerization for water-resistant coatings)

RN 1025111-51-6 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α-[2-[[2-(dimethylamino)ethoxy]carbonyl]-2-propen-1-yl]-ω-(dodecyloxy)- (CA INDEX NAME)



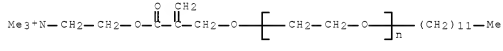
IT 1025111-49-2P
(amino-and polyoxyalkylene-containing acrylic acid-based emulsifiers used in vinyl polymerization for water-resistant coatings)
RN 1025111-49-2 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α-dodecyl-ω-[[2-(methoxycarbonyl)-2-propen-1-yl]oxy]- (CA INDEX NAME)



IT 1025111-54-9P
(emulsifier; amino-and polyoxyalkylene-containing acrylic acid-based emulsifiers used in vinyl polymerization for water-resistant coatings)
RN 1025111-54-9 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α-dodecyl-ω-[[2-[[2-(trimethylammonio)ethoxy]carbonyl]-2-propen-1-yl]oxy]-, methyl sulfate (1:1) (CA INDEX NAME)

CM 1

CRN 1025111-53-8
CMF (C2 H4 O)n C21 H42 N O3
CCI PMS



CM 2

CRN 21228-90-0
CMF C H3 O4 S

CC 46-4 (Surface Active Agents and Detergents)
Section cross-reference(s): 37
ST amino polyoxyalkylene acrylate emulsifier vinyl polymn; acrylate based emulsifier water resistant coating; emulsifier emulsion polymn antifoaming vinyl polymer
IT Emulsifying agents
(amino-and polyoxyalkylene-containing acrylic acid-based emulsifiers used in vinyl polymerization for water-resistant coatings)
IT Polymerization
(emulsion; amino-and polyoxyalkylene-containing acrylic

acid-based emulsifiers used in vinyl polymerization for water-resistant coatings)

IT 42884-82-2P, Butyl acrylate-methacrylic acid-methyl methacrylate copolymer ammonium salt
(amino-and polyoxyalkylene-containing acrylic acid-based emulsifiers used in vinyl polymerization for water-resistant coatings)

IT 1025111-51-6DP, salts with acids
(amino-and polyoxyalkylene-containing acrylic acid-based emulsifiers used in vinyl polymerization for water-resistant coatings)

IT 4224-69-5P, Methyl α-(bromomethyl)acrylate 15484-46-5P, Methyl α-(hydroxymethyl)acrylate 1025111-49-2P
(amino-and polyoxyalkylene-containing acrylic acid-based emulsifiers used in vinyl polymerization for water-resistant coatings)

IT 50-00-0, Formaldehyde, reactions 77-78-1, Dimethylsulfate 96-33-3, Methyl acrylate 108-01-0, Dimethylaminoethanol 9002-92-0, Ethoxylated dodecyl alcohol
(amino-and polyoxyalkylene-containing acrylic acid-based emulsifiers used in vinyl polymerization for water-resistant coatings)

IT 7789-60-8, Phosphorous tribromide
(amino-and polyoxyalkylene-containing acrylic acid-based emulsifiers used in vinyl polymerization for water-resistant coatings)

IT 1025111-54-9P
(emulsifier; amino-and polyoxyalkylene-containing acrylic acid-based emulsifiers used in vinyl polymerization for water-resistant coatings)

L50 ANSWER 2 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2007:640655 HCAPLUS Full-text
DOCUMENT NUMBER: 147:74721
TITLE: Alkali metal-free surfactants containing carboxybetaines and amines, and cleaners containing them
INVENTOR(S): Sakurai, Kenichi
PATENT ASSIGNEE(S): Sanyo Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 27pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

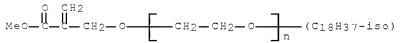
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007146025	A	20070614	JP 2005-343436 <--	20051129
PRIORITY APPLN. INFO.:			JP 2005-315694 A <--	20051031

OTHER SOURCE(S): MARPAT 147:74721

AB The surfactants contain R1(OA)nOCH2CH(CO2-)CH2N+R23 (R1, R2 = H, C1-22 organic group; OA = C2-4 oxyalkylene; n = 0-200), amines having change in heat of formation 10-152 kcal/mol by protonation, and optionally N+R3R4R5R6OH- (R3-R6 = C1-24 hydrocarbyl, (R7O)pH; R7 = C2-4 alkylene; p = 1-6) and polyhydric alcs. Also claimed is manufacture of electronic materials and parts, e.g., liquid crystal display panels, semiconductor chips, by cleaning with the cleaners. Thus, a Si wafer (the number of deposited particles >10,000) was soaked in a cleaner containing 3-trimethylammonio-2-hexadecyloxymethyl propionate and DBU at 20° for 20 min, showing the number of deposited particles 70.

IT 940935-15-9P
(surfactants containing carboxybetaines and amines for cleaning of liquid

crystal display panels and semiconductor chips)
RN 940935-15-9 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α-isooctadecyl-ω-[[2-(methoxycarbonyl)-2-propen-1-yl]oxy]- (CA INDEX NAME)

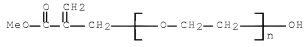


CC 46-6 (Surface Active Agents and Detergents)
Section cross-reference(s): 74, 76
IT Polyoxyalkylenes
(carboxybetaines; surfactants containing carboxybetaines and amines for cleaning of liquid crystal display panels and semiconductor chips)
IT 4224-69-5P, Methyl α-bromomethylacrylate 15484-46-5P, Methyl α-hydroxymethylacrylate 940927-06-0P 940935-15-9P
(surfactants containing carboxybetaines and amines for cleaning of liquid crystal display panels and semiconductor chips)

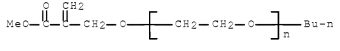
L50 ANSWER 3 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:541060 HCAPLUS Full-text
DOCUMENT NUMBER: 145:33502
TITLE: Carboxybetaines with improved moisturizing properties, their preparation, and moisturizers and cosmetics containing them
INVENTOR(S): Sakurai, Kenichi
PATENT ASSIGNEE(S): Sanyo Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006143634	A	20060608	JP 2004-334376 <--	20041118
PRIORITY APPLN. INFO.:			JP 2004-334376 <--	20041118

AB The carboxybetaines, useful for amphoteric surfactants, are depicted as R12N+(R3CO2-)R2[N+R1(R3CO2-)R2]mN1R12(R3CO2-) [R1 = C1-22 organic group; R2 = C1-8 organic group; R3 = methylene, CH2CHR4; R4 = H, Me; R5(AO)nOCH2; R5 = H, C1-22 organic group; AO = C2-4 oxyalkylene; n = 0-200; m = 0-6]. Thus, an aqueous solution of 5% N,N'-dimethyl-N,N'-dipropylethylenediammoniodipropionate, prepared by quaternizing Na N,N'-dipropyl-3,3'-(ethylenediimino)dipropionate with MeCl, showed good initial moisturizing properties and moisture retention on skins.
IT 198488-74-3P, Methyl α-[hydroxyethyl(polyoxyethylene)oxymethyl]acrylate
(aminocarboxylic acid from; preparation of carboxybetaines for cosmetics with improved moisturizing properties)
RN 198488-74-3 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α-[2-(methoxycarbonyl)-2-propenyl]-ω-hydroxy- (9CI) (CA INDEX NAME)



IT 318234-53-6P, Methyl
α-[butoxyethyl(polyoxyethylene)oxymethyl]acrylate
(for aminocarboxyl compound preparation; preparation of carboxybetaines for cosmetics with improved moisturizing properties)
RN 318234-53-6 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α-butyl-ω-[[2-(methoxycarbonyl)-2-propenyl]oxy]- (9CI) (CA INDEX NAME)



CC 62-4 (Essential Oils and Cosmetics)
IT Polyoxyalkylenes, biological studies
(betaines; preparation of carboxybetaines for cosmetics with improved moisturizing properties)
IT 198488-74-3P, Methyl
α-[hydroxyethyl(polyoxyethylene)oxymethyl]acrylate
(aminocarboxylic acid from; preparation of carboxybetaines for cosmetics with improved moisturizing properties)
IT 15484-46-5P, Methyl α-hydroxymethylacrylate 17361-75-0P, N,N'-Dipropylethylenediamine 23873-54-3P, α-Hydroxymethylacrylonitrile 68555-41-9P, N,N,N',N'-Tetrapropylethylenediamine 318234-53-6P, Methyl α-[butoxyethyl(polyoxyethylene)oxymethyl]acrylate 318234-90-1P 747345-59-1P, N,N'-Dimethyl-N,N'-dipropylethylenediamine 876908-49-5P, α-[Hydroxyethyl(polyoxyethylene)oxymethyl]acrylonitrile
(for aminocarboxyl compound preparation; preparation of carboxybetaines for cosmetics with improved moisturizing properties)
IT 50-00-0, Formaldehyde, reactions 75-21-8, Ethylene oxide, reactions 96-33-3, Methyl acrylate 107-13-1, Acrylonitrile, reactions 9004-77-7, Polyethylene glycol monobutyl ether
(for vinyl compound preparation; preparation of carboxybetaines for cosmetics
with improved moisturizing properties)

L50 ANSWER 4 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:541058 HCAPLUS Full-text
DOCUMENT NUMBER: 145:33501
TITLE: Aminocarboxylic acids, their preparation, and detergents containing them for leaving moisturizing feelings to skins
INVENTOR(S): Sakurai, Kenichi
PATENT ASSIGNEE(S): Sanyo Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006143633	A	20060608	JP 2004-334375 <--	20041118
PRIORITY APPLN. INFO.:			JP 2004-334375 <--	20041118

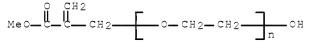
OTHER SOURCE(S): MARPAT 145:33501

AB The compds., useful for amphoteric surfactants, are depicted as R1N(CH2CHR3CO2M)R2[N(CH2CHR3CO2M)R2]mNR1CH2CHR3CO2M [R1 = C1-22 organic group; R2 = C1-8 organic group; R3 = H, Me, R3(AO)nOCH2; R4 = H, C1-22 organic group; AO = C2-4 oxyalkylene; n = 0-200; M = H, metal, ammonium; m = 0-6]. Thus, a cleansing agent containing N,N'-dipropyl-3,3'-(ethylenediimino)dipropionic acid (prepared from N,N'-dipropylethylenediamine and acrylic acid) showed good foaming stability and left no sliminess or tautness to skins after cleansing.

IT 198488-74-3P, Methyl α-[hydroxyethyl(polyoxyethylene)oxymethyl]acrylate
318234-53-6P, Methyl α-[butoxyethyl(polyoxyethylene)oxymethyl]acrylate
(aminocarboxylic acid from; preparation of aminocarboxylic acids from vinyl compds. and polyamines for amphoteric surfactants for skin-cleaning detergents leaving moisturizing feelings to skins)

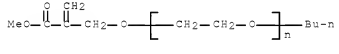
RN 198488-74-3 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α-[2-(methoxycarbonyl)-2-propenyl]-ω-hydroxy- (9CI) (CA INDEX NAME)



RN 318234-53-6 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α-butyl-ω-[[2-(methoxycarbonyl)-2-propenyl]oxy]- (9CI) (CA INDEX NAME)



CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 46

IT Polyoxyalkylenes, biological studies
(amine- and carboxyl-containing; preparation of aminocarboxylic acids from vinyl compds. and polyamines for amphoteric surfactants for skin-cleaning detergents leaving moisturizing feelings to skins)

IT 15484-46-5P, Methyl α-hydroxymethylacrylate 17361-75-0P, N,N'-Dipropylethylenediamine 23873-54-3P, α-Hydroxymethylacrylonitrile 198488-74-3P, Methyl α-[hydroxyethyl(polyoxyethylene)oxymethyl]acrylate 318234-53-6P, Methyl α-

[butoxyethyl(polyoxyethylene)oxymethyl]acrylate 318234-90-1P
876908-49-5P, α-
[Hydroxyethyl(polyoxyethylene)oxymethyl]acrylonitrile
(aminocarboxylic acid from; preparation of aminocarboxylic acids from vinyl compds. and polyamines for amphoteric surfactants for skin-cleaning detergents leaving moisturizing feelings to skins)
IT 50-00-0, Formaldehyde, reactions 75-21-8, Ethylene oxide, reactions
96-33-3, Methyl acrylate 107-13-1, Acrylonitrile, reactions
9004-77-7, Polyethylene glycol monobutyl ether
(for vinyl compound preparation; preparation of aminocarboxylic acids from vinyl compds. and polyamines for amphoteric surfactants for skin-cleaning detergents leaving moisturizing feelings to skins)

L50 ANSWER 5 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:190641 HCAPLUS Full-text
DOCUMENT NUMBER: 144:254964
TITLE: Polyoxyalkylene chain-containing vinyl monomers and their polymers
INVENTOR(S): Sakurai, Kenichi
PATENT ASSIGNEE(S): Sanyo Chemical Industries Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006057040	A	20060302	JP 2004-242110 <--	20040823
PRIORITY APPLN. INFO.:			JP 2004-242110 <--	20040823

AB The monomers which are scarcely hydrolyzed, are represented by R(OA)nOCH2CHX:CH2 (OA = C2-4 oxyalkylene; n = 1-200; X = CO2H, CO2R', CO2M, CO2NR'4, CONR'2, CN; M = metal; R, R' = H, C1-6 org). The polymers for coating binders, adhesives, dispersants, cement additives, scale inhibitors, thickeners, flocculants, etc., contain the monomers and optionally (meth)acrylic acids or their salts. Thus, Me α-hydroxymethylacrylate [prepared from Me acrylate and HCHO] was reacted with ethylene oxide to give a polyoxyethylene chain-containing monomer, which was polymerized with acrylic acid and then neutralized with NaOH to give a water-soluble vinyl polymer showing good mortar dispersibility even after 2 mo-storage.
IT 877071-00-6P, Acrylic acid-polyethylene glycol
monoether with methyl α-hydroxymethylacrylate graft copolymer
sodium salt 877071-03-9P, Acrylic
acid-N,N-dimethyl-α-
[hydroxyethyl(polyoxyethylene)oxymethyl]acrylamide graft copolymer
sodium salt 877071-04-0P, Acrylic acid-polyethylene
glycol butyl ether methyl α-hydroxymethylacrylate ether
graft copolymer sodium salt 877071-06-2P, Acrylic
acid-N,N-dimethyl-α-
butoxyethyl(polyoxyethylene)oxymethylacrylamide graft copolymer sodium
salt
(cement additive; polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)
RN 877071-00-6 HCAPLUS
CN 2-Propenoic acid, polymer with
α-[2-(methoxycarbonyl)-2-propenyl]-ω-hydroxypoly(oxy-1,2-

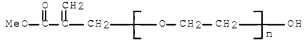
ethanediyl), graft, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 876596-51-9
CMF (C3 H4 O2 . (C2 H4 O)n C5 H8 O3)x
CCI PMS

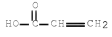
CM 2

CRN 198488-74-3
CMF (C2 H4 O)n C5 H8 O3
CCI PMS



CM 3

CRN 79-10-7
CMF C3 H4 O2



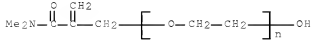
RN 877071-03-9 HCAPLUS
CN 2-Propenoic acid, polymer with α-[2-[(dimethylamino)carbonyl]-2-propenyl]-ω-hydroxypoly(oxy-1,2-ethanediyl), graft, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 876596-55-3
CMF (C3 H4 O2 . (C2 H4 O)n C6 H11 N O2)x
CCI PMS

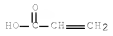
CM 2

CRN 876596-54-2
CMF (C2 H4 O)n C6 H11 N O2
CCI PMS



CM 3

CRN 79-10-7
CMF C3 H4 O2



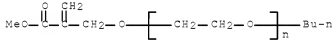
RN 877071-04-0 HCAPLUS
CN 2-Propenoic acid, polymer with α-butyl-ω-[[2-(methoxycarbonyl)-2-propenyl]oxy]poly(oxy-1,2-ethanediyl), graft, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 876596-56-4
CMF (C3 H4 O2 . (C2 H4 O)n C9 H16 O3)x
CCI PMS

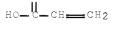
CM 2

CRN 318234-53-6
CMF (C2 H4 O)n C9 H16 O3
CCI PMS



CM 3

CRN 79-10-7
CMF C3 H4 O2



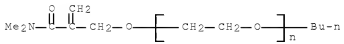
RN 877071-06-2 HCAPLUS
CN 2-Propenoic acid, polymer with α-butyl-ω-[2-[(dimethylamino)carbonyl]-2-propenyl]poly(oxy-1,2-ethanediyl), graft, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 876596-58-6
CMF (C3 H4 O2 . (C2 H4 O)n C10 H19 N O2)x
CCI PMS

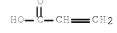
CM 2

CRN 876596-57-5
CMF (C2 H4 O)n C10 H19 N O2
CCI PMS



CM 3

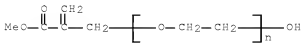
CRN 79-10-7
CMF C3 H4 O2



IT 877071-09-5P, Acrylamide-acryloyloxyethyltrimethylammonium chloride-polyethylene glycol monoether with methyl α-hydroxymethylacrylate graft copolymer 877071-11-9P, Acrylamide-acryloyloxyethyltrimethylammonium chloride-N,N-dimethyl-α-[hydroxyethyl(polyoxyethylene)oxymethyl]acrylamide graft copolymer 877071-12-0P, Acrylamide-acryloyloxyethyltrimethylammonium chloride-polyethylene glycol butyl ether methyl α-hydroxymethylacrylate ether graft copolymer 877071-14-2P, Acrylamide-acryloyloxyethyltrimethylammonium chloride-N,N-dimethyl-α-butoxyethyl(polyoxyethylene)oxymethylacrylamide graft copolymer (flocculant; ~~polyoxyalkylene~~ chain-containing vinyl monomers and their polymers with high hydrolysis resistance)
RN 877071-09-5 HCAPLUS
CN Ethanaminium, N,N,N-trimethyl-2-[(1-oxo-2-propenyl)oxy]-, chloride, polymer with α-[2-(methoxycarbonyl)-2-propenyl]-ω-hydroxypoly(oxy-1,2-ethanediyl) and 2-propenamide, graft (9CI) (CA INDEX NAME)

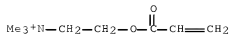
CM 1

CRN 198488-74-3
CMF (C2 H4 O)n C5 H8 O3
CCI PMS



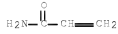
CM 2

CRN 44992-01-0
CMF C8 H16 N O2 . Cl



CM 3

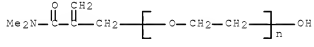
CRN 79-06-1
CMF C3 H5 N O



RN 877071-11-9 HCAPLUS
CN Ethanaminium, N,N,N-trimethyl-2-[(1-oxo-2-propenyl)oxy]-, chloride, polymer with α-[2-[(dimethylamino)carbonyl]-2-propenyl]-ω-hydroxypoly(oxy-1,2-ethanediyl) and 2-propenamide, graft (9CI) (CA INDEX NAME)

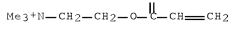
CM 1

CRN 876596-54-2
CMF (C2 H4 O)n C6 H11 N O2
CCI PMS



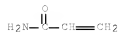
CM 2

CRN 44992-01-0
CMF C8 H16 N O2 . Cl



CM 3

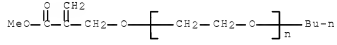
CRN 79-06-1
CMF C3 H5 N O



RN 877071-12-0 HCAPLUS
CN Ethanaminium, N,N,N-trimethyl-2-[(1-oxo-2-propenyl)oxy]-, chloride, polymer with α-butyl-ω-[[2-(methoxycarbonyl)-2-propenyl]oxy]poly(oxy-1,2-ethanediyl) and 2-propenamide, graft (9CI) (CA INDEX NAME)

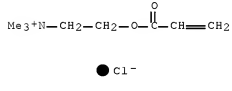
CM 1

CRN 318234-53-6
CMF (C2 H4 O)n C9 H16 O3
CCI PMS



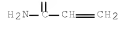
CM 2

CRN 44992-01-0
CMF C8 H16 N O2 . Cl



CM 3

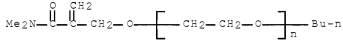
CRN 79-06-1
CMF C3 H5 N O



RN 877071-14-2 HCAPLUS
CN Ethanaminium, N,N,N-trimethyl-2-[(1-oxo-2-propenyl)oxy]-, chloride, polymer with α-butyl-ω-[[2-[(dimethylamino)carbonyl]-2-propenyl]oxy]poly(oxy-1,2-ethanediyl) and 2-propenamide, graft (9CI) (CA INDEX NAME)

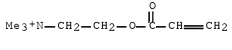
CM 1

CRN 876596-57-5
CMF (C2 H4 O)n C10 H19 N O2
CCI PMS



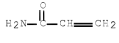
CM 2

CRN 44992-01-0
CMF C8 H16 N O2 . Cl

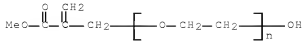


CM 3

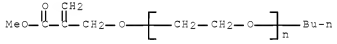
CRN 79-06-1
CMF C3 H5 N O



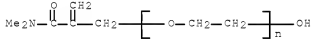
IT 198488-74-3P, Polyethylene glycol monoether with methyl α-hydroxymethylacrylate 318234-53-6P, Polyethylene glycol butyl ether methyl α-hydroxymethylacrylate ether 876596-54-2P, N,N-Dimethyl-α-[hydroxyethyl(polyoxyethylene)oxymethyl]acrylamide 876596-57-5P
(macromonomer; polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)
RN 198488-74-3 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α-[2-(methoxycarbonyl)-2-propenyl]-ω-hydroxy- (9CI) (CA INDEX NAME)



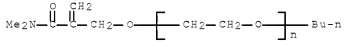
RN 318234-53-6 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α-butyl-ω-[[2-(methoxycarbonyl)-2-propenyl]oxy]- (9CI) (CA INDEX NAME)



RN 876596-54-2 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α-[2-[(dimethylamino)carbonyl]-2-propenyl]-ω-hydroxy- (9CI) (CA INDEX NAME)



RN 876596-57-5 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α-butyl-ω-[[2-[(dimethylamino)carbonyl]-2-propenyl]oxy]- (9CI) (CA INDEX NAME)



IT 877071-18-6P, Acrylic acid-pentaerythritol triallyl ether-polyethylene glycol monoether with methyl α-hydroxymethylacrylate copolymer sodium salt
877071-22-2P, Acrylic acid-N,N-dimethyl-α-[hydroxyethyl(polyoxyethylene)oxymethyl]acrylamide-pentaerythritol triallyl ether copolymer sodium salt 877071-24-4P, Acrylic acid-pentaerythritol triallyl ether-polyethylene glycol butyl ether methyl α-hydroxymethylacrylate ether copolymer sodium salt 877071-28-8P, Acrylic acid-N,N-dimethyl-α-butoxyethyl(polyoxyethylene)oxymethylacrylamide-pentaerythritol triallyl ether copolymer sodium salt
(water absorbent; polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)
RN 877071-18-6 HCAPLUS
CN 2-Propenoic acid, polymer with α-[2-(methoxycarbonyl)-2-propenyl]-ω-hydroxypoly(oxy-1,2-ethanediyl) and 3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]-1-

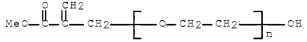
propanol, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 877071-17-5
CMF (C14 H24 O4 . C3 H4 O2 . (C2 H4 O)n C5 H8 O3)x
CCI PMS

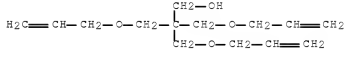
CM 2

CRN 198488-74-3
CMF (C2 H4 O)n C5 H8 O3
CCI PMS



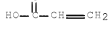
CM 3

CRN 1471-17-6
CMF C14 H24 O4



CM 4

CRN 79-10-7
CMF C3 H4 O2



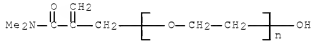
RN 877071-22-2 HCAPLUS
CN 2-Propenoic acid, polymer with
α-[2-[(dimethylamino)carbonyl]-2-propenyl]-ω-
hydroxypoly(oxy-1,2-ethanediyl) and
3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]-1-propanol, sodium
salt (9CI) (CA INDEX NAME)

CM 1

CRN 877071-21-1
CMF (C14 H24 O4 . C3 H4 O2 . (C2 H4 O)n C6 H11 N O2)x
CCI PMS

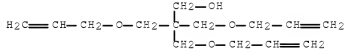
CM 2

CRN 876596-54-2
CMF (C2 H4 O)n C6 H11 N O2
CCI PMS



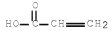
CM 3

CRN 1471-17-6
CMF C14 H24 O4



CM 4

CRN 79-10-7
CMF C3 H4 O2



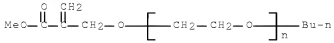
RN 877071-24-4 HCAPLUS
CN 2-Propenoic acid, polymer with α-butyl-ω-[[2-(methoxycarbonyl)-2-propenyl]oxy]poly(oxy-1,2-ethanediyl) and 3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]-1-propanol, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 877071-23-3
CMF (C14 H24 O4 . C3 H4 O2 . (C2 H4 O)n C9 H16 O3)x
CCI PMS

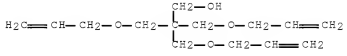
CM 2

CRN 318234-53-6
CMF (C2 H4 O)n C9 H16 O3
CCI PMS



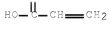
CM 3

CRN 1471-17-6
CMF C14 H24 O4



CM 4

CRN 79-10-7
CMF C3 H4 O2



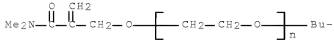
RN 877071-28-8 HCAPLUS
CN 2-Propenoic acid, polymer with α-butyl-ω-[[2-[(dimethylamino)carbonyl]-2-propenyl]oxy]poly(oxy-1,2-ethanediyl) and 3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]-1-propanol, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 877071-27-7
CMF (C14 H24 O4 . C3 H4 O2 . (C2 H4 O)n C10 H19 N O2)x
CCI PMS

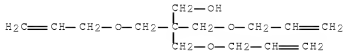
CM 2

CRN 876596-57-5
CMF (C2 H4 O)n C10 H19 N O2
CCI PMS



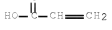
CM 3

CRN 1471-17-6
CMF C14 H24 O4



CM 4

CRN 79-10-7
CMF C3 H4 O2



CC 37-3 (Plastics Manufacture and Processing)
Section cross-reference(s): 35, 38, 58, 60

ST polyoxyalkylene chain vinyl monomer polymer hydrolysis resistance; acrylic polyoxyethylene cement additive sludge flocculant water absorbent; polyethylene glycol hydroxymethylacrylate ether macromer acrylic acid copolymer

IT Polyoxyalkylenes, preparation
(acrylic, graft; polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)

IT Macromonomers
(polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)

IT Cement
(vinyl polymer additive for; polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)

IT Flocculants
Polyelectrolytes
(vinyl polymer for; polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)

IT Absorbents
(water, vinyl polymer for; polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)

IT 167763-00-0P, Acrylic acid-ethylene oxide graft copolymer sodium salt 288371-11-9P, Acrylic acid-ethylene oxide graft copolymer butyl ether sodium salt 877071-00-6P, Acrylic acid-polyethylene glycol monoether with methyl α-hydroxymethylacrylate graft copolymer sodium salt 877071-02-8P, Acrylic acid-polyethylene glycol monoether with α-hydroxymethylacrylonitrile graft copolymer sodium salt 877071-03-9P, Acrylic acid-N,N-dimethyl-α-[hydroxyethyl(polyoxyethylene)oxymethyl]acrylamide graft copolymer sodium salt 877071-04-0P, Acrylic acid-polyethylene glycol butyl ether methyl α-hydroxymethylacrylate ether graft copolymer sodium salt 877071-05-1P, Acrylic

acid-α-butoxyethyl(polyoxyethylene)oxymethylacrylonitrile graft copolymer sodium salt 877071-06-2P, Acrylic acid-N,N-dimethyl-α-butoxyethyl(polyoxyethylene)oxymethylacrylamide graft copolymer sodium salt 877071-07-3P, Acrylic acid-polyethylene glycol mono(2-carboxy-2-propenyl) ether sodium salt graft copolymer sodium salt 877071-08-4P, Acrylic acid-polyethylene glycol butyl 2-carboxy-2-propenyl ether sodium salt graft copolymer sodium salt (cement additive; polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)

IT 591219-65-7P, Acrylamide-acryloyloxyethyltrimethylammonium chloride-ethylene oxide graft copolymer 877071-09-5P, Acrylamide-acryloyloxyethyltrimethylammonium chloride-polyethylene glycol monoether with methyl α-hydroxymethylacrylate graft copolymer 877071-10-8P, Acrylamide-acryloyloxyethyltrimethylammonium chloride-polyethylene glycol monoether with α-hydroxymethylacrylonitrile graft copolymer 877071-11-9P, Acrylamide-acryloyloxyethyltrimethylammonium chloride-N,N-dimethyl-α-[hydroxyethyl(polyoxyethylene)oxymethyl]acrylamide graft copolymer 877071-12-0P, Acrylamide-acryloyloxyethyltrimethylammonium chloride-polyethylene glycol butyl ether methyl α-hydroxymethylacrylate ether graft copolymer 877071-13-1P 877071-14-2P, Acrylamide-acryloyloxyethyltrimethylammonium chloride-N,N-dimethyl-α-butoxyethyl(polyoxyethylene)oxymethylacrylamide graft copolymer 877071-15-3P, Acrylamide-acryloyloxyethyltrimethylammonium chloride-polyethylene glycol mono(2-carboxy-2-propenyl) ether sodium salt graft copolymer 877071-16-4P, Acrylamide-acryloyloxyethyltrimethylammonium chloride-polyethylene glycol butyl 2-carboxy-2-propenyl ether sodium salt graft copolymer 877117-69-6P, Acrylamide-acryloyloxyethyltrimethylammonium chloride-ethylene oxide graft copolymer butyl ether (flocculant; polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)

IT 4224-69-5P, Methyl α-bromomethylacrylate 15484-46-5P, Methyl α-hydroxymethylacrylate 23873-54-3P, α-Hydroxymethylacrylonitrile 876908-50-8P, N,N-Dimethyl-α-hydroxymethylacrylamide (macromonomer from; polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)

IT 50-00-0, Formaldehyde, reactions 75-21-8, Ethylene oxide, reactions 96-33-3, Methyl acrylate 107-13-1, Acrylonitrile, reactions 2680-03-7, N,N-Dimethylacrylamide 7789-60-8, Phosphorus tribromide 9004-77-7, Polyethylene glycol butyl ether (macromonomer from; polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)

IT 183892-71-9P 198488-74-3P, Polyethylene glycol monoether with methyl α-hydroxymethylacrylate 318234-53-6P, Polyethylene glycol butyl ether methyl α-hydroxymethylacrylate ether 876596-52-0P, α-Butoxyethyl(polyoxyethylene)oxymethylacrylonitrile 876596-54-2P, N,N-Dimethyl-α-[hydroxyethyl(polyoxyethylene)oxymethyl]acrylamide 876596-57-5P 876596-60-0P 876908-49-5P, Polyethylene glycol monoether with α-hydroxymethylacrylonitrile

(macromonomer; polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)
IT 877071-18-6P, Acrylic acid-pentaerythritol triallyl ether-polyethylene glycol monoether with methyl α-hydroxymethylacrylate copolymer sodium salt 877071-20-0P, Acrylic acid-pentaerythritol triallyl ether-polyethylene glycol monoether with α-hydroxymethylacrylonitrile copolymer sodium salt 877071-22-2P, Acrylic acid-N,N-dimethyl-α-[hydroxyethyl(polyoxyethylene)oxymethyl]acrylamide-pentaerythritol triallyl ether copolymer sodium salt 877071-24-4P, Acrylic acid-pentaerythritol triallyl ether-polyethylene glycol butyl ether methyl α-hydroxymethylacrylate ether copolymer sodium salt 877071-26-6P, Acrylic acid-α-butoxyethyl(polyoxyethylene)oxymethylacrylonitrile-pentaerythritol triallyl ether copolymer sodium salt 877071-28-8P, Acrylic acid-N,N-dimethyl-α-butoxyethyl(polyoxyethylene)oxymethylacrylamide-pentaerythritol triallyl ether copolymer sodium salt 877071-30-2P, Acrylic acid-pentaerythritol triallyl ether-polyethylene glycol mono(2-carboxy-2-propenyl) ether sodium salt copolymer sodium salt 877071-32-4P, Acrylic acid-pentaerythritol triallyl ether-polyethylene glycol butyl 2-carboxy-2-propenyl ether sodium saltt copolymer sodium salt
(water absorbent; polyoxyalkylene chain-containing vinyl monomers and their polymers with high hydrolysis resistance)

L50 ANSWER 6 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:190639 HCAPLUS Full-text
DOCUMENT NUMBER: 144:255320
TITLE: Water-absorbing acrylic polymers with high gel modulus and water absorbents containing them
INVENTOR(S): Sakurai, Kenichi
PATENT ASSIGNEE(S): Sanyo Chemical Industries Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

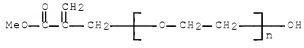
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006057039	A	20060302	JP 2004-242107 <--	20040823
PRIORITY APPLN. INFO.:			JP 2004-242107 <--	20040823

AB Title polymers, suitable for sanitary goods, etc., contain units from vinyl monomers R(OA)nOCH2CHX:CH2 (OA = C2-4 oxyalkylene; n = 1-200; X = CO2H, CO2R', CO2M, CO2NR', CONR'2, CN; M = metal; R, R' = H, C1-6 organic group) and optionally (meth)acrylic acid (salt) units. Thus, ethylene oxide was added dropwise to Me α-(hydroxymethyl)acrylate (I; manufactured by treating Me acrylate with HCHO) to obtain polyethylene glycol monoether of I, which was polymerized with acrylic acid and pentaerythritol triallyl ether, neutralized with aqueous NaOH, dried, powdered, and surface- crosslinked with ethylene glycol diglycidyl ether to give a water-absorbing polymer showing gel modulus 50,000 N/m2 and artificial urine absorption 32 g/g under 20 g/cm2 pressure.
IT 193488-74-3P, Polyethylene glycol monoether with methyl α-(hydroxymethyl)acrylate 318234-53-6P,

Polyethylene glycol ether with butanol and methyl α-(hydroxymethyl)acrylate 876596-54-2P, Polyethylene glycol monoether with N,N-dimethyl-α-(hydroxymethyl)acrylamimde 876596-57-5P, Polyethylene glycol ether with butanol and N,N-dimethyl-α-(hydroxymethyl)acrylamide (water-absorbing acrylic polyoxyalkylenes with high gel modulus and water absorbents containing them for sanitary goods)

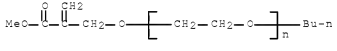
RN 198488-74-3 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α-[2-(methoxycarbonyl)-2-propenyl]-ω-hydroxy- (9CI) (CA INDEX NAME)



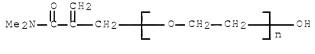
RN 318234-53-6 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α-butyl-ω-[[2-(methoxycarbonyl)-2-propenyl]oxy]- (9CI) (CA INDEX NAME)



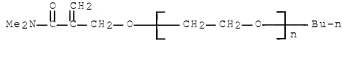
RN 876596-54-2 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α-[2-[(dimethylamino)carbonyl]-2-propenyl]-ω-hydroxy- (9CI) (CA INDEX NAME)



RN 876596-57-5 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α-butyl-ω-[[2-[(dimethylamino)carbonyl]-2-propenyl]oxy]- (9CI) (CA INDEX NAME)



IT 876908-52-0P, Acrylic acid-ethylene glycol diglycidyl ether-pentaerythritol triallyl ether-polyethylene glycol monoether with methyl α-(hydroxymethyl) acrylate copolymer sodium salt 876908-56-4P, Acrylic acid-ethylene glycol diglycidyl ether-pentaerythritol triallyl

ether-polyethylene glycol monoether with N,N-dimethyl-α-(hydroxymethyl) acrylamide copolymer sodium salt 876908-58-6P, Acrylic acid-ethylene glycol diglycidyl ether-pentaerythritol triallyl ether-polyethylene glycol ether with butanol and methyl α-(hydroxymethyl) acrylate copolymer sodium salt 876908-62-2P, Acrylic acid-ethylene glycol diglycidyl ether-pentaerythritol triallyl ether-polyethylene glycol ether with butanol and N,N-dimethyl-α-(hydroxymethyl)acrylamide copolymer sodium salt (water-absorbing acrylic polyoxyalkylenes with high gel modulus and water absorbents containing them for sanitary goods)

RN 876908-52-0 HCAPLUS

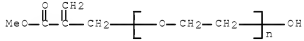
CN 2-Propenoic acid, polymer with 2,2'-[1,2-ethanediylbis(oxymethylene)]bis[oxirane], α-[2-(methoxycarbonyl)-2-propenyl]-ω-hydroxypoly(oxy-1,2-ethanediyl) and 3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]-1-propanol, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 876908-51-9
CMF (C14 H24 O4 . C8 H14 O4 . C3 H4 O2 . (C2 H4 O)n C5 H8 O3)x
CCI PMS

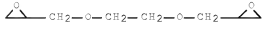
CM 2

CRN 198488-74-3
CMF (C2 H4 O)n C5 H8 O3
CCI PMS



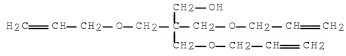
CM 3

CRN 2224-15-9
CMF C8 H14 O4



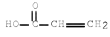
CM 4

CRN 1471-17-6
CMF C14 H24 O4



CM 5

CRN 79-10-7
CMF C3 H4 O2



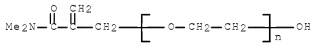
RN 876908-56-4 HCAPLUS
CN 2-Propenoic acid, polymer with
α-[2-[(dimethylamino)carbonyl]-2-propenyl]-ω-
hydroxypoly(oxy-1,2-ethanediyl),
2,2'-[1,2-ethanediylbis(oxymethylene)]bis[oxirane] and
3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]-1-propanol, sodium
salt (9CI) (CA INDEX NAME)

CM 1

CRN 876908-55-3
CMF (C14 H24 O4 . C8 H14 O4 . C3 H4 O2 . (C2 H4 O)n C6 H11 N O2)x
CCI PMS

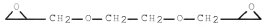
CM 2

CRN 876596-54-2
CMF (C2 H4 O)n C6 H11 N O2
CCI PMS



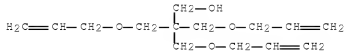
CM 3

CRN 2224-15-9
CMF C8 H14 O4



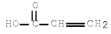
CM 4

CRN 1471-17-6
CMF C14 H24 O4



CM 5

CRN 79-10-7
CMF C3 H4 O2



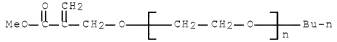
RN 876908-58-6 HCAPLUS
CN 2-Propenoic acid, polymer with α-butyl-ω-[[2-(methoxycarbonyl)-2-propenyl]oxy]poly(oxy-1,2-ethanediyl), 2,2'-[1,2-ethanediylbis(oxymethylene)]bis[oxirane] and 3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]-1-propanol, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 876908-57-5
CMF (C14 H24 O4 . C8 H14 O4 . C3 H4 O2 . (C2 H4 O)n C9 H16 O3)x
CCI PMS

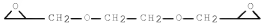
CM 2

CRN 318234-53-6
CMF (C2 H4 O)n C9 H16 O3
CCI PMS



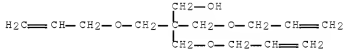
CM 3

CRN 2224-15-9
CMF C8 H14 O4



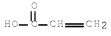
CM 4

CRN 1471-17-6
CMF C14 H24 O4



CM 5

CRN 79-10-7
CMF C3 H4 O2



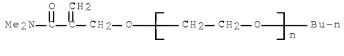
RN 876908-62-2 HCAPLUS
CN 2-Propenoic acid, polymer with α-butyl-ω-[[2-[(dimethylamino)carbonyl]-2-propenyl]oxy]poly(oxy-1,2-ethanediyl), 2,2'-[1,2-ethanediylbis(oxymethylene)]bis[oxirane] and 3-(2-propenyloxy)-2,2-bis[(2-propenyloxy)methyl]-1-propanol, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 876908-61-1
CMF (C14 H24 O4 . C8 H14 O4 . C3 H4 O2 . (C2 H4 O)n C10 H19 N O2)x
CCI PMS

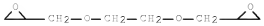
CM 2

CRN 876596-57-5
CMF (C2 H4 O)n C10 H19 N O2
CCI PMS



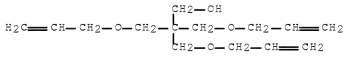
CM 3

CRN 2224-15-9
CMF C8 H14 O4



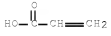
CM 4

CRN 1471-17-6
CMF C14 H24 O4



CM 5

CRN 79-10-7
CMF C3 H4 O2



CC 38-3 (Plastics Fabrication and Uses)
Section cross-reference(s): 63

ST gel modulus acrylic polyoxyalkylene water absorbent; sanitary goods acrylic polyoxyalkylene water absorbent; polyoxyethylene hydroxymethylacrylate monoether macromonomer acrylic polyoxyalkylene

IT Medical goods
(absorbents, sanitary goods; water-absorbing acrylic polyoxyalkylenes with high gel modulus and water absorbents containing them for sanitary goods)

IT Polyoxyalkylenes, uses
(acrylic; water-absorbing acrylic polyoxyalkylenes with high gel modulus and water absorbents containing them for sanitary goods)

IT Absorbents
(medical, sanitary goods; water-absorbing acrylic polyoxyalkylenes with high gel modulus and water absorbents containing them for sanitary goods)

IT Polyoxyalkylenes, preparation
(vinyl-terminated; water-absorbing acrylic polyoxyalkylenes with high gel modulus and water absorbents containing them for sanitary goods)

IT Macromonomers
(water-absorbing acrylic polyoxyalkylenes with high gel modulus and water absorbents containing them for sanitary goods)
IT Absorbents
(water; water-absorbing acrylic polyoxyalkylenes with high gel modulus and water absorbents containing them for sanitary goods)
IT 4224-69-5P, Methyl α-(bromomethyl)acrylate 15484-46-5P, Methyl α-(hydroxymethyl)acrylate 23873-54-3P, α-(Hydroxymethyl)acrylonitrile 183892-71-9P, Polyethylene glycol mono(2-carboxy-2-propenyl) ether sodium salt 198488-74-3P, Polyethylene glycol monoether with methyl α-(hydroxymethyl)acrylate 318234-53-6P, Polyethylene glycol ether with butanol and methyl α-(hydroxymethyl)acrylate 876596-52-0P, Polyethylene glycol ether with butanol and α-(hydroxymethyl)acrylonitrile 876596-54-2P, Polyethylene glycol monoether with N,N-dimethyl-α-(hydroxymethyl)acrylamimde 876596-57-5P , Polyethylene glycol ether with butanol and N,N-dimethyl-α-(hydroxymethyl)acrylamide 876596-60-0P, Polyethylene glycol butyl 2-carboxy-2-propenyl ether sodium salt 876908-49-5P, Polyethylene glycol monoether with α-(hydroxymethyl)acrylonitrile 876908-50-8P, N,N-Dimethyl-α-(hydroxymethyl)acrylamide
(water-absorbing acrylic polyoxyalkylenes with high gel modulus and water absorbents containing them for sanitary goods)
IT 876908-52-0P, Acrylic acid-ethylene glycol diglycidyl ether-pentaerythritol triallyl ether-polyethylene glycol monoether with methyl α-(hydroxymethyl) acrylate copolymer sodium salt 876908-54-2P, Acrylic acid-ethylene glycol diglycidyl ether-pentaerythritol triallyl ether-polyethylene glycol monoether with α-(hydroxymethyl) acrylonitrile copolymer sodium salt 876908-56-4P, Acrylic acid-ethylene glycol diglycidyl ether-pentaerythritol triallyl ether-polyethylene glycol monoether with N,N-dimethyl-α-(hydroxymethyl) acrylamide copolymer sodium salt 876908-58-6P, Acrylic acid-ethylene glycol diglycidyl ether-pentaerythritol triallyl ether-polyethylene glycol ether with butanol and methyl α-(hydroxymethyl) acrylate copolymer sodium salt 876908-60-0P, Acrylic acid-ethylene glycol diglycidyl ether-pentaerythritol triallyl ether-polyethylene glycol ether with butanol and α-(hydroxymethyl)acrylonitrile copolymer sodium salt 876908-62-2P, Acrylic acid-ethylene glycol diglycidyl ether-pentaerythritol triallyl ether-polyethylene glycol ether with butanol and N,N-dimethyl-α-(hydroxymethyl)acrylamide copolymer sodium salt 876908-64-4P, Acrylic acid-ethylene glycol diglycidyl ether-pentaerythritol triallyl ether-polyethylene glycol mono(2-carboxy-2-propenyl) ether sodium salt copolymer sodium salt 876908-66-6P, Acrylic acid-ethylene glycol diglycidyl ether-pentaerythritol triallyl ether-polyethylene glycol butyl 2-carboxy-2-propenyl ether sodium salt copolymer sodium salt
(water-absorbing acrylic polyoxyalkylenes with high gel modulus and water absorbents containing them for sanitary goods)
IT 50-00-0, Formaldehyde, reactions 96-33-3, Methyl acrylate

107-13-1, Acrylonitrile, reactions 2680-03-7, N,N-Dimethylacrylamide (water-absorbing acrylic polyoxyalkylenes with high gel modulus and water absorbents containing them for sanitary goods)

L50 ANSWER 7 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:120699 HCAPLUS Full-text
DOCUMENT NUMBER: 142:204753
TITLE: Pharmaceutical compositions of adsorbates of amorphous drugs and lipophilic microphase-forming materials
INVENTOR(S): Babcock, Walter Christian; Friesen, Dwayne Thomas; Shanker, Ravi Mysore; Smithey, Daniel Tod
PATENT ASSIGNEE(S): Pfizer Products Inc., USA
SOURCE: PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005011635	A2	20050210	WO 2004-IB2498 <--	20040723
WO 2005011635	A3	20050317		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2532931	A1	20050210	CA 2004-2532931 <--	20040723
EP 1653927	A2	20060510	EP 2004-744149 <--	20040723
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
BR 2004013277	A	20061010	BR 2004-13277 <--	20040723
JP 2007501218	T	20070125	JP 2006-522429 <--	20040723
US 20050031693	A1	20050210	US 2004-910448 <--	20040803
MX 2006001417	A	20060515	MX 2006-1417 <--	20060203
PRIORITY APPLN. INFO.:			US 2003-492410P P <--	20030804
			WO 2004-IB2498 W <--	20040723

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

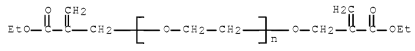
AB A pharmaceutical composition comprises a solid adsorbate comprising a drug adsorbed onto a substrate and a lipophilic microphase-forming material. The solid adsorbate may also be co-administered with a lipophilic microphase-forming material to an in vivo use environment. The compns. of the present

invention enhance the concentration of drug in a use environment. A drug/substrate adsorbate containing 50% [2R,4S] 4-[(3,5-bis-trifluoromethyl-benzyl)-methoxycarbonyl-amino]-2-ethyl-6- trifluoromethyl-3,4-dihydro-2H-quinoline-1-carboxylic acid Et ester and 50% CAB-O-SIL M-5P was prepared The maximum concentration of drug in solution during the first 90 min MDC90 and AUC90 was 17.0 μg/mL and 840 min*μg/mL.

IT 333305-83-2
(pharmaceutical compns. of adsorbates of amorphous drugs and lipophilic microphase-forming materials)

RN 333305-83-2 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α-(3-ethoxy-2-methylene-3-oxopropyl)-ω-(3-ethoxy-2-methylene-3-oxopropoxy)- (9CI) (CA INDEX NAME)



IC ICM A61K0009-16
CC 63-6 (Pharmaceuticals)
IT 56-81-5D, Glycerol, fatty acid esters 57-55-6D, Propylene glycol, glycerides 7384-98-7, Propylene glycol dicaprylate 9002-89-5 9002-96-4, α-Tocopheryl polyethylene glycol succinate 9003-39-8, Polyvinylpyrrolidone 9004-38-0, Cellulose acetate phthalate 9004-65-3, Hydroxypropyl methyl cellulose 9005-64-5 9005-65-6 9050-31-1, Hydroxypropyl methyl cellulose phthalate 12441-09-7D, Sorbitan, polyglyceryl esters 27194-74-7, Propylene glycolmonolaurate 37205-99-5, Carboxymethylethyl cellulose 52907-01-4, Cellulose acetate trimellitate 57107-95-6 70535-77-2, Hydroxypropyl methyl cellulose acetate succinate 119574-41-3 333305-83-2
(pharmaceutical compns. of adsorbates of amorphous drugs and lipophilic microphase-forming materials)

RETABLE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)	Referenced File
Anon				WO 0110410 A1	
Anon				WO 0147495 A1	HCAPLUS
Anon				WO 0168055 A1	HCAPLUS
Anon				WO 0211710 A2	HCAPLUS
Anon				WO 03000238 A1	HCAPLUS
Anon				WO 03063833 A1	HCAPLUS
Anon				US 20010053791 A1	HCAPLUS

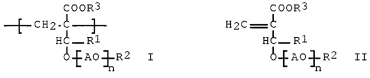
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L50 ANSWER 8 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2004:963227 HCAPLUS Full-text
DOCUMENT NUMBER: 141:411779
TITLE: Inorganic powder-containing acrylic resin composition for calcination
INVENTOR(S): Maki, Keiji
PATENT ASSIGNEE(S): Nippon Shokubai Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004315720	A	20041111	JP 2003-113827 <--	20030418
JP 4185394	B2	20081126		
PRIORITY APPLN. INFO.:			JP 2003-113827 <--	20030418

GI



AB Title resin composition with super pyrolytic property is composed of acrylic resin (I) prepared from polymerization of (II), wherein R1 = H, C1-6 organic groups, R2 = H, C1-10 organic groups, R3 = C1-10 organic groups, A = C1-8 organic groups, n = 1-50, inorg. powders, and solvent. Thus, Me methacrylate and a monomer (II) with R1 = H, R2 = Me, R3 = Me, A = ethylene, and n = 3 were polymerized to receive an acrylic resin that can be mixed with silver powders and ethanol to receive a calcination resin composition

IT 791073-02-4P 791073-03-5P
(inorg. powder-containing acrylic resin composition for calcination)

RN 791073-02-4 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with α-methyl-ω-[[2-(methoxycarbonyl)-2-propenyl]oxy]poly(oxy-1,2-ethanediyl), graft (9CI) (CA INDEX NAME)

CM 1

CRN 318234-49-0
CMF (C2 H4 O)n C6 H10 O3
CCI PMS

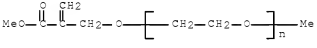
CM 2

CRN 80-62-6
CMF C5 H8 O2

RN 791073-03-5 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α-methyl-ω-[[2-(methoxycarbonyl)-2-propenyl]oxy]-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 318234-49-0
CMF (C2 H4 O)n C6 H10 O3
CCI PMS



IC ICM C08L0033-14
ICS C08F0020-26; C08F0299-02; C08K0003-00; C08K0005-00; G02F0001-1343; H05K0003-12
CC 37-6 (Plastics Manufacture and Processing)
ST silver powder polyoxyalkylene acrylic resin compn ethanol calcination
IT Polyoxyalkylenes, preparation
(acrylic; inorg. powder-containing acrylic resin composition for calcination)
IT 112419-44-0P 791073-02-4P 791073-03-5P
(inorg. powder-containing acrylic resin composition for calcination)

L50 ANSWER 9 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:734646 HCAPLUS Full-text
DOCUMENT NUMBER: 139:247031
TITLE: Ink jet compositions for ink jet printing
INVENTOR(S): Vanmaele, Luc; Loccufier, Johan
PATENT ASSIGNEE(S): Agfa-Gevaert, Belg.
SOURCE: Eur. Pat. Appl., 30 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1344805	A1	20030917	EP 2003-100338 <--	20030214
EP 1344805	B1	20051221		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 20050277708	A1	20051215	US 2003-368324 <--	20030218
JP 2004027190	A	20040129	JP 2003-67791 <--	20030313
PRIORITY APPLN. INFO.:			EP 2002-100261 A	20020315

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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Radiation-curable ink compns. contain radiation- curable monomers R1XCOC(:CH2)CR2R3Y, where R1 = H, a substituted or unsubstituted group selected from alkyl, alkenyl, alkynyl, aryl, aralkyl, cycloalkyl, heterocyclic group; X = O, S, NR4; Y = halogen, a nitrile, OH, thiol, amino, a quaternary ammonium group, a quaternary phosphonium group, a O:CR5 group, a substituted or unsubstituted heterocyclic group, a functional group attached to CR2R3 through a heteroatom in any oxidation state; R2 and R3 = H, R1 and including a substituted or unsubstituted ether group, a substituted or unsubstituted thio ether group, a substituted or unsubstituted amine group, a substituted or unsubstituted acyl group, a substituted or unsubstituted sulfonyl group, a substituted or unsubstituted phosphonyl, a substituted or unsubstituted acyloxy group, or R2 and R3 form a ring or one of the substituents R2 or R3 forms a ring system with Y; R4 = H, R1 or R1 and R4 form a ring; R5 = H, OH, R1, a substituted or unsubstituted alkoxy group, a substituted or unsubstituted thioalkoxy group, a substituted or unsubstituted amino group, or O A+, where A+ represents any organic or inorg. counterion. Thus, 76.8 g (0.6 mol) tert-Bu acrylate was dissolved in 60 mL THF, 71.3 mL 35% HCOH solution and 50 mL H2O were stirred for 10 days at room temperature in the presence of 13.5 g (0.12 mol) DABCO to give hydroxymethylated tert-Bu acrylate.

IT 600164-64-5P 600164-69-0P
(ink jet printing of radiation-cured inks of)

RN 600164-64-5 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α-[2-(ethoxycarbonyl)-2-propenyl]-ω-methoxy-, polymer with Craynor CN 501 and Ebecryl P 115 (9CI) (CA INDEX NAME)

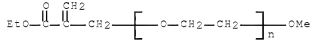
CM 1

CRN 265309-33-9
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 204327-57-1
CMF (C2 H4 O)n C7 H12 O3
CCI PMS



CM 3

CRN 167748-98-3
CMF Unspecified
CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 600164-69-0 HCAPLUS

CN 2-Propenoic acid, oxybis(methyl-2,1-ethanediyl) ester, polymer with

Craynor CN 501 and α-[2-(ethoxycarbonyl)-2-propenyl]-ω-methoxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

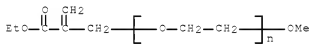
CM 1

CRN 265309-33-9
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

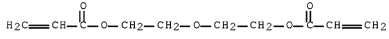
CM 2

CRN 204327-57-1
CMF (C2 H4 O)n C7 H12 O3
CCI PMS



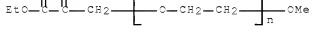
CM 3

CRN 57472-68-1
CMF C12 H18 O5
CCI IDS



2 (D1—Me)

IT 204327-57-1P
(reactive diluent; reactive diluent for ink jet compns.)
RN 204327-57-1 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α-[2-(ethoxycarbonyl)-2-propenyl]-ω-methoxy- (9CI) (CA INDEX NAME)



IC C09D0011-10; C09D0011-00
CC 42-12 (Coatings, Inks, and Related Products)
ST radiation curable diluent hydroxymethylated alkyl acrylate ink jet printing
IT Inks
(radiation-curable; reactive diluent for ink jet compns.)

IT 600164-60-1P 600164-61-2P 600164-62-3P 600164-64-5P
600164-66-7P 600164-67-8P 600164-68-9P 600164-69-0P
(ink jet printing of radiation-cured inks of)
IT 111-92-2, Dibutylamine 122-52-1, Triethyl phosphite 9004-74-4, Monomethoxy polyethylene glycol
(reaction with Et bromomethacrylate; reactive diluent for ink jet compns.)
IT 10029-04-6P 61203-64-3P 121065-74-5P 204327-57-1P
600164-59-8P
(reactive diluent; reactive diluent for ink jet compns.)
RETABLE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)	Referenced File
Canon Kk	1999			EP 0953613 A	HCAPLUS
Johnson, S	1999			WO 9929787 A	HCAPLUS
Seiko Epson Corp	2000			EP 1036831 A	HCAPLUS
Vanmaele, L	2001			US 6300388 B1	HCAPLUS

OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

L50 ANSWER 10 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:202933 HCAPLUS Full-text
DOCUMENT NUMBER: 138:226803
TITLE: Polymers containing acrylamide derivative monomer for ocular lenses
INVENTOR(S): Nakamura, Masataka; Fujisawa, Kazuhiko; Shimoyama, Naoki; Yokota, Mitsuru
PATENT ASSIGNEE(S): Toray Industries, Inc., Japan
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003021337	A1	20030313	WO 2001-JP7390 <--	20010828
W: AU, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
AU 2001280213	A1	20030318	AU 2001-280213 <--	20010828
AU 2001280213	B2	20070426		
EP 1445641	A1	20040811	EP 2001-958580 <--	20010828
EP 1445641	B1	20071003		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
US 20040201820	A1	20041014	US 2004-488089 <--	20040225
US 7329694	B2	20080212		
PRIORITY APPLN. INFO.:			WO 2001-JP7390 W <--	20010828

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
AB This invention relates to an ocular lens which has a high tensile elongation (i.e., is less apt to break). The ocular lens is characterized by containing units derived from a monomer represented by the following general formula

CH2:CR1CONH(L1O)kL2OR2, where R1 represents hydrogen or methyl; R2 represents a group selected among C1-8 alkyl, C7-12 aralkyl, and C6-10 aryl; k is an integer of 0 to 2; L1 represents a substituent selected among ethylene, 1,2-propylene, 1,3-propylene, and 1,4-butylene; and L2 represents a substituent selected among methylene, ethylene, 1,2-propylene, 1,3-propylene, and 1,4-butylene. Siloxanyl monomers are also contained. A mixture of N,N-dimethylacrylamide, N-(2-methoxyethyl)acrylamide (preparation given), polyethylene glycol dimethacrylate, MeOCOC(:CH2)CH2OCH2CH2O(CH2)3Si(OSiMe3)3 (preparation given), diethylene glycol di-Me ether, and Darocur 1173 was irradiated with light in a mold. The resulting contact lens had tensile elongation 480 %.

IT 501015-10-7P 501015-11-8P 501015-12-9P

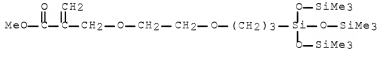
(preparation of polymers containing acrylamide derivative and siloxanyl monomers for ocular lenses)

RN 501015-10-7 HCAPLUS

CN 2-Propenoic acid, 2-[[2-[3-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]ethoxy]methyl]-, methyl ester, polymer with N,N-dimethyl-2-propenamide, N-(2-methoxyethyl)-2-propenamide, α-(2-methyl-1-oxo-2-propen-1-yl)-ω-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl) and 1,1'-oxybis[2-methoxyethane] (CA INDEX NAME)

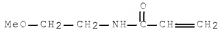
CM 1

CRN 345636-02-4
CMF C19 H44 O7 Si4



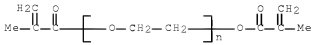
CM 2

CRN 81666-02-6
CMF C6 H11 N O2



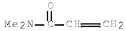
CM 3

CRN 25852-47-5
CMF (C2 H4 O)n C8 H10 O3
CCI PMS



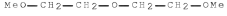
CM 4

CRN 2680-03-7
CMF C5 H9 N O



CM 5

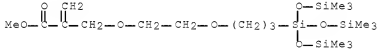
CRN 111-96-6
CMF C6 H14 O3



RN 501015-11-8 HCAPLUS
CN 2-Propenoic acid, 2-[[2-[3-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]ethoxy]methyl]-, methyl ester, polymer with N,N-dimethyl-2-propenamide, N-(3-methoxypropyl)-2-propenamide, α-(2-methyl-1-oxo-2-propen-1-yl)-ω-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl) and 1,1'-oxybis[2-methoxyethane] (CA INDEX NAME)

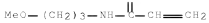
CM 1

CRN 345636-02-4
CMF C19 H44 O7 Si4



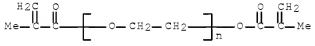
CM 2

CRN 107374-86-7
CMF C7 H13 N O2



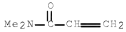
CM 3

CRN 25852-47-5
CMF (C2 H4 O)n C8 H10 O3
CCI PMS



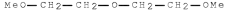
CM 4

CRN 2680-03-7
CMF C5 H9 N O



CM 5

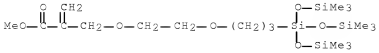
CRN 111-96-6
CMF C6 H14 O3



RN 501015-12-9 HCAPLUS
CN 2-Propenoic acid, 2-[[2-[3-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]ethoxy]methyl]-, methyl ester, polymer with N-(methoxymethyl)-2-propenamide, α-(2-methyl-1-oxo-2-propen-1-yl)-ω-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl) and 1,1'-oxybis[2-methoxyethane] (CA INDEX NAME)

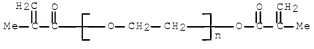
CM 1

CRN 345636-02-4
CMF C19 H44 O7 Si4



CM 2

CRN 25852-47-5
CMF (C2 H4 O)n C8 H10 O3
CCI PMS



CM 3

CRN 3644-11-9
CMF C5 H9 N O2

CM 4

CRN 111-96-6
CMF C6 H14 O3

IC ICM G02C0007-04
ICS C08F0020-58; A61F0002-16
CC 63-7 (Pharmaceuticals)
Section cross-reference(s): 38
IT 501015-10-7P 501015-11-8P 501015-12-9P
501015-13-0P 501015-14-1P
(preparation of polymers containing acrylamide derivative and siloxanyl monomers
for ocular lenses)
IT 75-77-4, Chlorotrimethylsilane, reactions 109-85-3, 2-Methoxyethylamine 111-45-5, Ethylene glycol monoallyl ether 814-68-6, Acryloyl chloride 929-06-6, 2-(2-Aminoethoxy)ethanol 1825-61-2, Methoxytrimethylsilane 5332-73-0, 3-Methoxypropylamine 7789-60-8, Phosphorus tribromide 10025-78-2, Trichlorosilane 10029-04-6 15484-46-5

(preparation of polymers containing acrylamide derivative and siloxanyl monomers
for ocular lenses)

RETABLE

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Permeable Technologies	1992			EP 552306 A1	HCAPLUS
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Smith & Nephew Research	1977			DE 2529639 A	HCAPLUS
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OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L50 ANSWER 11 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2001:666553 HCAPLUS Full-text
DOCUMENT NUMBER: 135:231737
TITLE: Ocular lenses with increased tensile elongation
INVENTOR(S): Nakamura, Masataka; Fujisawa, Kazuhiko; Shimoyama, Naoki; Yokota, Mitsuru
PATENT ASSIGNEE(S): Toray Industries, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001245910	A	20010911	JP 2000-58421 <--	20000303
JP 4273612	B2	20090603		
PRIORITY APPLN. INFO.:			JP 2000-58421 <--	20000303

AB The ocular lenses, especially contact lenses, contain CH2:CR1CONH(L1O)kL2OR2 [R1 = H, Me; R2 = C1-8 alkyl, C7-12 aralkyl, C6-10 aryl; k = 0-2; L1 = CH2CH2, 1,2-propylene, (CH2)3, (CH2)4; L2 = CH2, CH2CH2, 1,2-propylene, (CH2)3, (CH2)4] as a polymerizing monomer. Siloxanyl monomers may be contained. A mixture of N,N-dimethylacrylamide, N-(2-methoxyethyl)acrylamide (preparation given), polyethylene glycol dimethacrylate, MeOCOC(:CH2)CH2OCH2CH2O(CH2)3Si(OSiMe3)3 (preparation given), diethylene glycol di-Me ether, and Darocur 1173 was irradiated with light in a mold. The resulting contact lens had tensile elongation 480%.

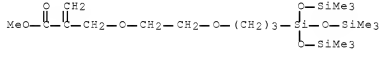
IT 359630-87-8P 359630-88-9P 359630-89-0P
(ocular lenses with increased tensile elongation from polymers containing N-[alkoxyalkyl(oxyalkyl)]acrylamides)

RN 359630-87-8 HCAPLUS

CN 2-Propenoic acid, 2-[[2-[3-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]ethoxy]methyl]-, methyl ester, polymer with N,N-dimethyl-2-propenamide, N-(2-methoxyethyl)-2-propenamide and α-(2-methyl-1-oxo-2-propen-1-yl)-ω-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl) (CA INDEX NAME)

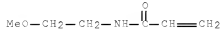
CM 1

CRN 345636-02-4
CMF C19 H44 O7 Si4



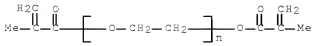
CM 2

CRN 81666-02-6
CMF C6 H11 N O2



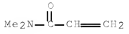
CM 3

CRN 25852-47-5
CMF (C2 H4 O)n C8 H10 O3
CCI PMS



CM 4

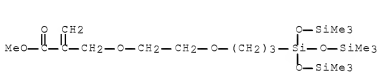
CRN 2680-03-7
CMF C5 H9 N O



RN 359630-88-9 HCAPLUS
CN 2-Propenoic acid, 2-[[2-[3-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]ethoxy]methyl]-, methyl ester, polymer with N,N-dimethyl-2-propenamide, N-(3-methoxypropyl)-2-propenamide and α-(2-methyl-1-oxo-2-propen-1-yl)-ω-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl) (CA INDEX NAME)

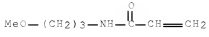
CM 1

CRN 345636-02-4
CMF C19 H44 O7 Si4



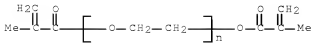
CM 2

CRN 107374-86-7
CMF C7 H13 N O2



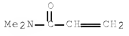
CM 3

CRN 25852-47-5
CMF (C2 H4 O)n C8 H10 O3
CCI PMS



CM 4

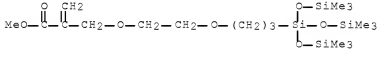
CRN 2680-03-7
CMF C5 H9 N O



RN 359630-89-0 HCAPLUS
CN 2-Propenoic acid, 2-[[2-[3-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]ethoxy]methyl]-, methyl ester, polymer with N-(methoxymethyl)-2-propenamide and α-(2-methyl-1-oxo-2-propen-1-yl)-ω-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl) (CA INDEX NAME)

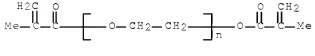
CM 1

CRN 345636-02-4
CMF C19 H44 O7 Si4



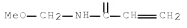
CM 2

CRN 25852-47-5
CMF (C2 H4 O)n C8 H10 O3
CCI PMS



CM 3

CRN 3644-11-9
CMF C5 H9 N O2



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IC   ICM  A61F0002-16
     ICS  A61L0027-00; G02B0001-04; G02C0007-04; C08J0005-00; C08L0033-26
CC   63-7 (Pharmaceuticals)
     Section cross-reference(s): 38
IT   359630-87-8P   359630-88-9P   359630-89-0P
     359630-90-3P   359630-91-4P
        (ocular lenses with increased tensile elongation from polymers
        containing N-[alkoxyalkyl(oxyalkyl)]acrylamides)
IT   109-85-3, 2-Methoxyethylamine   111-45-5, Ethylene glycol
     monoallyl ether   814-68-6, Acryloyl chloride   929-06-6,
     2-(2-Aminoethoxy)ethanol   1825-61-2, Methoxytrimethylsilane
     5332-73-0, 3-Methoxypropylamine   10029-04-6   15484-46-5
        (ocular lenses with increased tensile elongation from polymers
        containing N-[alkoxyalkyl(oxyalkyl)]acrylamides)
OS.CITING REF COUNT:     1     THERE ARE 1 CAPLUS RECORDS THAT CITE THIS
                               RECORD (1 CITINGS)

L50  ANSWER 12 OF 15  HCAPLUS  COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER:         2001:56894  HCAPLUS  Full-text
DOCUMENT NUMBER:          134:86986
TITLE:                    Water-soluble vinyl alcohol polymers with
                          polyoxyalkylene side chains
INVENTOR(S):              Somemiya, Toshitaka; Fujiwara, Naoki
PATENT ASSIGNEE(S):       Kuraray Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 9 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ----------------    ----   --------    -------------------    --------
     JP 2001019720        A     20010123    JP 1999-195180         19990709
                                                                   <--
     JP 4128310           B2    20080730
PRIORITY APPLN. INFO.:                     JP 1999-195180         19990709
                                                                   <--
AB   The polymers, useful for films, coatings, and adhesives, have 0.01-15 mol%
     CH2C(CO2X)[(OR1)nOR2] units [R1= C2-4 (un)substituted alkylene; R2 = H,
     organic group; X = H, alkali metal; n = 1-100].  Thus, 2000 g vinyl acetate
     and 500 g Me 2-[(ω-
     hydroxypolyalkyleneglycoxy)methyl]acrylate were polymerized and saponified
     with NaOH to give a polymer with saponification degree 98.5% and good
     solubility in H2O at 20°.
IT   318234-50-3DP, saponified   318234-52-5DP, saponified
     318234-54-7DP, saponified   318245-85-1DP, saponified
        (polyoxyalkylene-grafted poly(vinyl alcs.) with good
        water solubility)
RN   318234-50-3  HCAPLUS
CN   Acetic acid ethenyl ester, polymer with
     α-methyl-ω-[[2-(methoxycarbonyl)-2-propenyl]oxy]poly(oxy-
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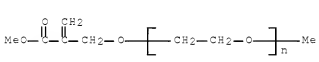
1,2-ethanediyl), graft (9CI) (CA INDEX NAME)

CM 1

CRN 318234-49-0
CMF (C2 H4 O)n C6 H10 O3
CCI PMS



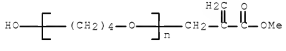
CM 2

CRN 108-05-4
CMF C4 H6 O2

RN 318234-52-5 HCAPLUS
CN Acetic acid ethenyl ester, polymer with α-[2-(methoxycarbonyl)-2-propenyl]-ω-hydroxypoly(oxy-1,4-butanediyl), graft (9CI) (CA INDEX NAME)

CM 1

CRN 318234-51-4
CMF (C4 H8 O)n C5 H8 O3
CCI PMS



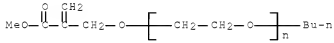
CM 2

CRN 108-05-4
CMF C4 H6 O2

RN 318234-54-7 HCAPLUS
CN Acetic acid ethenyl ester, polymer with α-butyl-ω-[[2-(methoxycarbonyl)-2-propenyl]oxy]poly(oxy-1,2-ethanediyl), graft (9CI) (CA INDEX NAME)

CM 1

CRN 318234-53-6
CMF (C2 H4 O)n C9 H16 O3
CCI PMS



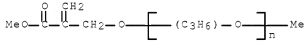
CM 2

CRN 108-05-4
CMF C4 H6 O2

RN 318245-85-1 HCAPLUS
CN Acetic acid ethenyl ester, polymer with α-methyl-ω-(3-methoxy-2-methylene-3-oxopropoxy)poly[oxy(methyl-1,2-ethanediyl)], graft (9CI) (CA INDEX NAME)

CM 1

CRN 318245-84-0
CMF (C3 H6 O)n C6 H10 O3
CCI IDS, PMS



CM 2

CRN 108-05-4
CMF C4 H6 O2

IC ICM C08F0218-04
ICS C08F0008-12; C08F0290-12; C08F0218-04; C08F0220-06
CC 37-3 (Plastics Manufacture and Processing)
ST polyoxyalkylene graft polyvinyl alc water soly;

polyoxyethylene hydroxymethylacrylate ether vinyl acetate copolymer
IT Polyoxyalkylenes, preparation
(polyvinyl alc., graft; polyoxyalkylene-grafted poly(vinyl alcs.) with good water solubility)
IT Polymers, preparation
(water-soluble; polyoxyalkylene-grafted poly(vinyl alcs.) with good water solubility)
IT 172017-08-2DP, Ethylene oxide-vinyl acetate graft copolymer butyl ether, saponified 172017-09-3DP, Ethylene oxide-vinyl acetate graft copolymer methyl ether, saponified 318234-50-3DP, saponified 318234-52-5DP, saponified 318234-54-7DP, saponified 318234-89-8DP, Ethylene oxide-propylene oxide block copolymer monoether with methyl (2-hydroxymethyl)acrylate, polymer with vinyl acetate, graft, saponified 318234-91-2DP, Ethylene oxide-propylene oxide copolymer monoether with methyl (2-hydroxymethyl)acrylate, polymer with vinyl acetate, graft, saponified 318234-93-4DP, Ethylene oxide-propylene oxide block copolymer monomethyl ether, ether with (2-hydroxymethyl)acrylate, polymer with vinyl acetate, graft, saponified 318234-94-5DP, Propylene oxide-vinyl acetate graft copolymer methyl ether, saponified 318245-85-1DP, saponified
(polyoxyalkylene-grafted poly(vinyl alcs.) with good water solubility)
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L50 ANSWER 13 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1998:555739 HCAPLUS Full-text
DOCUMENT NUMBER: 129:217409
ORIGINAL REFERENCE NO.: 129:44191a,44194a
TITLE: Odorless hardenable polymer compositions containing acrylate monomers
INVENTOR(S): Yamazaki, Isahide; Nakakawa, Koichi; Maki, Keishi
PATENT ASSIGNEE(S): Nippon Shokubai Kagaku Kogyo Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

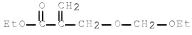
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10226716	A	19980825	JP 1997-30966 <--	19970214
PRIORITY APPLN. INFO.:			JP 1997-30966 <--	19970214

AB Title compns. comprise hardenable polymers and polymerizable unsatd. monomers CH2:C(CO2R1)(CHR2OCHR3OR4) [R1, R4 = C1-18 alkyl, C3-8 cycloalkyl, C6-18 aryl, (CHR5CH2O)mR6; R2-R3 = H, C1-6 alkyl, C3-8 cycloalkyl, C6-18 aryl; R5 = H, Me; R6 = H, C1-6 alkyl, C3-8 cycloalkyl, C6-18 aryl; m = 1-4]. Thus, isophthalic acid 415, propylene glycol 600, and maleic anhydride 245 parts were treated to obtain an unsatd. polyester, which was mixed with 1026 parts Et α-ethoxymethoxymethylacrylate and 0.20 part hydroquinone to obtain an odorless composition giving a molding with high mech. strength and a coating with good adhesion to ABS, PVC, and PC.
IT 212191-70-3P
(odorless hardenable polymer compns. containing acrylate monomers for moldings with good mech. strength)
RN 212191-70-3 HCAPLUS
CN 2-Propenoic acid, 2-[(ethoxymethoxy)methyl]-, ethyl ester, polymer

with 2,4-diisocyanato-1-methylbenzene, 2-hydroxypropyl 2-methyl-2-propenoate and α,α'-[(1-methylethylidene)di-4,1-phenylene]bis[ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)]] (9CI) (CA INDEX NAME)

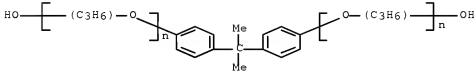
CM 1

CRN 188945-86-0
CMF C9 H16 O4



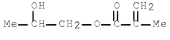
CM 2

CRN 37353-75-6
CMF (C3 H6 O)n (C3 H6 O)n C15 H16 O2
CCI IDS, PMS



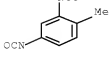
CM 3

CRN 923-26-2
CMF C7 H12 O3



CM 4

CRN 584-84-9
CMF C9 H6 N2 O2



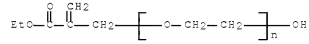
IC ICM C08F0290-00

ICS C07C0069-734; C07C0069-736; C08F0291-00; C08F0220-26
CC 37-6 (Plastics Manufacture and Processing)
Section cross-reference(s): 38
IT 212191-69-0P 212191-70-3P 212271-20-0P 212271-23-3P
212271-24-4P
(odorless hardenable polymer compns. containing acrylate monomers for moldings with good mech. strength)

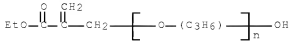
L50 ANSWER 14 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1997:618705 HCAPLUS Full-text
DOCUMENT NUMBER: 127:293762
ORIGINAL REFERENCE NO.: 127:57431a
TITLE: Purification of acrylate ester derivatives by removal of crosslinkable impurities
INVENTOR(S): Nagano, Hideaki; Makino, Komei; Nakagawa, Koichi; Kita, Yuichi
PATENT ASSIGNEE(S): Nippon Shokubai Kagaku Kogyo Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09241215	A	19970916	JP 1996-46496 <--	19960304
PRIORITY APPLN. INFO.:			JP 1996-46496 <--	19960304

AB The derivs. H2C:C(CO2R3)CHR1O[CH2(CHR2)nO]mH (R1, R2 = H, organic residues; R3 = organic residues; m = 1-100; n = 1-3) are purified by washing with organic solvents having higher solubility to title impurities than to the derivs. Thus, reacting 130 g ethyl-α-hydroxymethyl acrylate with 462 g oxirane at 35-45° in PhMe in the presence of BF3OEt2 gave a crude acrylate ester (OH value 96.9 mg-KOH/g), which was washed with cyclohexane to give a pale-yellow liquid, which underwent polymerization in the presence of AIBN without gelation.
IT 183892-60-6P 184014-31-1P
(purification of acrylate ester derivs. by solvent extraction)
RN 183892-60-6 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α-[2-(ethoxycarbonyl)-2-propenyl]-ω-hydroxy- (9CI) (CA INDEX NAME)



RN 184014-31-1 HCAPLUS
CN Poly[oxy(methyl-1,2-ethanediyl)], α-[2-(ethoxycarbonyl)-2-propenyl]-ω-hydroxy- (9CI) (CA INDEX NAME)



IC ICM C07C0069-54
ICS C07C0067-58
CC 35-2 (Chemistry of Synthetic High Polymers)
ST acrylate ester purifn solvent extn; crosslinkable impurity removal solvent extn acrylate; ethoxylated ethylhydroxymethyl acrylate purifn gelation prevention
IT Polyoxyalkylenes, preparation
(acrylate-terminated; purification of acrylate ester derivs. by solvent extraction)
IT 183892-60-6P 184014-31-1P
(purification of acrylate ester derivs. by solvent extraction)

L50 ANSWER 15 OF 15 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1997:618604 HCAPLUS Full-text
DOCUMENT NUMBER: 127:322093
ORIGINAL REFERENCE NO.: 127:63071a,63074a
TITLE: Polyoxyalkylene cement dispersing agent for high concrete strength and cement composition containing it
INVENTOR(S): Nagano, Hideaki; Maita, Takeshi; Nagare, Koichiro
PATENT ASSIGNEE(S): Nippon Shokubai Kagaku Kogyo Co., Ltd., Japan; Nippon Shokubai Co., Ltd.
SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09241059	A	19970916	JP 1996-46499 <--	19960304
JP 3689822	B2	20050831		
PRIORITY APPLN. INFO.:			JP 1996-46499 <--	19960304

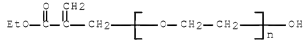
AB The cement dispersing agent contains a polymer prepared by polymerization of a monomer composition containing the oxyacrylic acid or its ester monomer CH2:CCH2O[CH2(CR1H)nO]mR2CO2R3 (R1, R2 = H, organic residue; R3 = H, counter ion, organic residue; n = 1-3; m = 1-100) or its neutralized product. The cement dispersing agent, added to cement paste, mortar, or concrete in small amount, gives water reducing effect, small slump loss, and strength to the cement composition
IT 197649-79-9P
(polyoxyalkylene cement dispersing agent for high concrete strength)
RN 197649-79-9 HCAPLUS
CN 2-Propenoic acid, polymer with α-[2-(ethoxycarbonyl)-2-propenyl]-ω-hydroxypoly(oxy-1,2-ethanediyl), graft, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 197649-78-8
CMF (C3 H4 O2 . (C2 H4 O)n C6 H10 O3)x
CCI PMS

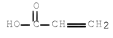
CM 2

CRN 183892-60-6
CMF (C2 H4 O)n C6 H10 O3
CCI PMS



CM 3

CRN 79-10-7
CMF C3 H4 O2



IC ICM C04B0024-26
ICS C04B0028-02; C08F0290-06; C08F0299-02; C04B0103-40
CC 58-1 (Cement, Concrete, and Related Building Materials)
ST mortar polyoxyalkylene cement dispersing agent; concrete polyoxyalkylene cement dispersing agent
IT Polyoxyalkylenes, preparation
(acrylic; polyoxyalkylene cement dispersing agent for high concrete strength)
IT Cement (construction material)
Concrete
Dispersing agents
Mortar
(polyoxyalkylene cement dispersing agent for high concrete strength)
IT 167763-00-0P 197649-77-7P 197649-79-9P
(polyoxyalkylene cement dispersing agent for high concrete strength)